

Amendment dated May 26, 2009

Reply to Office Action of February 27, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A vegetable room for a refrigerator, comprising:
  - a vegetable box configured to be disposed inside a refrigerator in which a cooling air supply device that circulates cooling air therein and a plurality of shelves are provided, and having a receptacle space that receives food items therein opened upwardly;
  - a box cover that covers an opening side of the vegetable box to close the receptacle space of the vegetable box and having a plurality of cooling air ventilating holes formed therein to introduce cooling air into the vegetable box;
  - a cover support device interposed between the box cover and a shelf, to support the box cover with respect to the shelf;
  - a plurality of opening and closing members that opens and closes the plurality of cooling air ventilating holes of the box cover; and
  - an operating unit-device that operates the plurality of opening and closing members simultaneously, wherein the cover support device is formed eccentric toward a front side with respect to a center of the box cover so that when the vegetable box is separated from a lower side of the shelf, the front side of the box cover is relatively lifted compared to a rear side thereof due to a weight of the box cover.

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2. (Canceled).

3. (Currently Amended) The vegetable room of claim 2, wherein the cover support device comprises:

a hinge bracket that extends downwardly from both left and right sides of the shelf and having a hinge hole formed therein; and

a hinge shaft that extends at both left and right sides of the box cover and which is inserted into the hinge hole so as to be movable vertically.

4. (Previously Presented) The vegetable room of claim 3, wherein the hinge hole is formed to extend vertically.

5. (Currently Amended) The vegetable room of claim 2, wherein the cover support device comprises:

a hinge bracket that extends upwardly from both left and right sides of the vegetable box and having a hinge hole formed therein that extends vertically; and

a hinge shaft that extends from both left and right sides of the shelf and which is inserted into the hinge hole so as to be movable vertically.

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6. (Previously Presented) The vegetable room of claim 1, wherein the plurality of cooling air ventilating holes is formed to extend perpendicular with respect to a direction in which cooling air is introduced, in order to allow cooling air to be smoothly introduced into the receptacle space of the vegetable box.

7. (Currently Amended) The A vegetable room of claim 1 for a refrigerator, comprising:

a vegetable box configured to be disposed inside a refrigerator in which a cooling air supply device that circulates cooling air thereto and a plurality of shelves are provided, and having a receptacle space that receives food items therein opened upwardly;

a box cover that covers an opening side of the vegetable box to close the receptacle space of the vegetable box and having a plurality of cooling air ventilating holes formed therein to introduce cooling air into the vegetable box;

a cover support device interposed between the box cover and a shelf, to support the box cover with respect to the shelf;

a plurality of opening and closing members that opens and closes the plurality of cooling air ventilating holes of the box cover; and

an operating device that operates the plurality of opening and closing members simultaneously, wherein the plurality of opening and closing members comprises:

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a first opening and closing member rotatably supported at an inner side of a first cooling air ventilating hole of the plurality of cool air ventilating holes formed at one side of the vegetable box; and

one or more second opening and closing members rotatably supported at an inner side of one or more second cooling air ventilating holes of the plurality of cool air ventilating holes separated by a certain space from the first cooling air ventilating hole.

8. (Previously Presented) The vegetable room of claim 7, wherein the first and second opening and closing members are formed with a certain thickness and each includes a cylindrical support shaft that extends at both sides thereof, the support shaft being rotatably inserted into a corresponding insertion hole formed at both sides of the respective cooling air ventilating hole in order to rotatably support the opening and closing member at the inner side of the cooling air ventilating hole.

9. (Previously Presented) The vegetable room of claim 8, wherein either an outer circumferential surface of the support shaft or an inner circumferential surface of the insertion hole are formed to be polyhedral so that a rotation angle of the opening and closing member is controllable by steps.

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10. (Previously Presented) The vegetable room of claim 8, wherein each support shaft is formed eccentric toward a front side or toward a rear side with respect to a center of the respective opening and closing member so that the opening and closing member can close the cooling air ventilating hole by rotation according to self weight.

11. (Previously Presented) The vegetable room of claim 7, wherein the operating device comprises:

a driving device interposed between the box cover and the shelf and opening the first cooling air ventilating hole by rotating the first opening and closing member; and

an coupling device that simultaneously rotates the first and second opening and closing members to open the second cooling air ventilating hole by interacting with the driving device.

12. (Previously Presented) The vegetable room of claim 11, wherein the driving device is installed at a front side of the vegetable box.

13. (Previously Presented) The vegetable room of claim 11, wherein the driving device is installed at a rear side of the vegetable box.

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14. (Previously Presented) The vegetable room of claim 11, wherein the driving device comprises:

a first protrusion that protrudes upwardly from the first opening and closing member;

a knob installed to be movable linearly at one side of the shelf; and

a second protrusion that protrudes downwardly from the knob and that rotates the first opening and closing member by interaction with the first protrusion when the knob is moved.

15. (Previously Presented) The vegetable room of claim 14, wherein a guide groove is formed in the shelf configured to guide a linear movement of the knob.

16. (Previously Presented) The vegetable room of claim 15, wherein a guide slot is formed in an inner side of the guide groove to allow the second protrusion to pass through the shelf and guide a linear movement of the second protrusion.

17. (Previously Presented) The vegetable room of claim 14, wherein the first protrusion is inclined at a certain angle in order to rotate the opening and closing member by being pushed by the second protrusion.

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18. (Previously Presented) The vegetable room of claim 17, wherein the first protrusion and the second protrusion, respectively, have a curved shape with a certain curvature at portions where they contact each other so that they slide smoothly.

19. (Previously Presented) The vegetable room of claim 11, wherein the coupling device comprises:

a connection pin that extends downwardly from the first and second opening and closing members; and

a connection rod hinge-connected at a lower side of the connection pin and transmitting a rotational force of the first opening and closing member to the second opening and closing member when the first opening and closing member is rotated by the driving device.

20. (Currently Amended) The vegetable room of claim 17, wherein a plurality of ribs is formed on a bottom of the box cover having a certain height and width to collect moisture inside the vegetable box.

21. (Previously Presented) The vegetable room of claim 20, wherein the plurality of ribs form a grid pattern.

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22. (Currently Amended) The vegetable room of claim 4-7, further comprising a cooling air discharge hole of a cooling air discharge duct that discharges cooling air into a refrigerating chamber positioned between the box cover and the shelf at a rear side of the vegetable box so that cooling air is directly supplied between the box cover and the shelf.

23. (Previously Presented) The vegetable room of claim 22, wherein a nozzle is provided at a front side of the cooling air discharge hole, of which a sectional area decreases as it extends from a rear side to a front side of the nozzle in order to increase a discharge speed of cooling air.

24. (Previously Presented) The vegetable room of claim 23, wherein the nozzle is positioned at a rear side of a rearmost cooling air ventilating hole.

25. (Previously Presented) A refrigerator comprising the vegetable room of claim 1.

26. (New) A refrigerator comprising the vegetable room of claim 7.